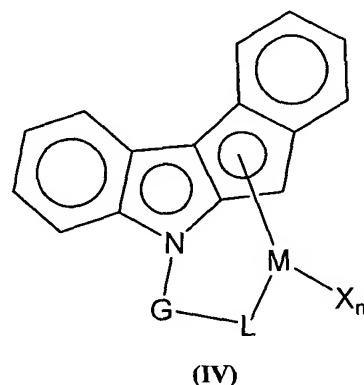
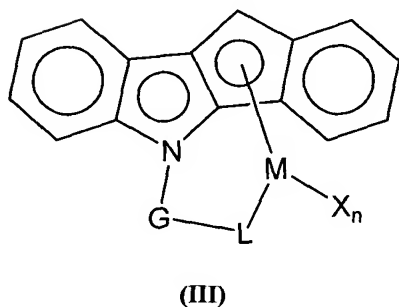
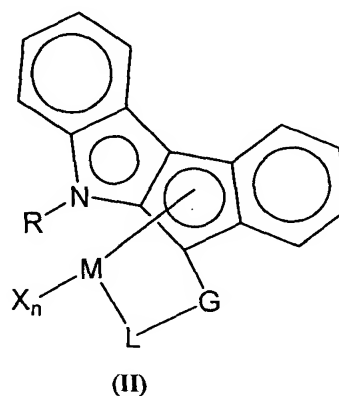
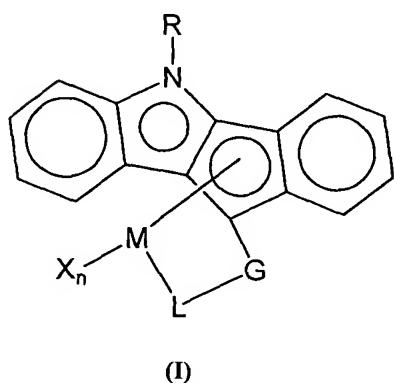


We claim:

1. A multi-catalyst system that comprises
  - (a) catalyst A, a supported bridged indenoindolyl transition metal complex; and
  - (b) catalyst B, a supported non-bridged indenoindolyl transition metal complex;wherein A and B are separately supported.
2. The catalyst system of claim 1 wherein the complex of catalyst A has the general structure of I, II, III or IV:



in which M is a transition metal; G is a bridge group; L is a ligand that is covalently bonded to G and M; R is selected from the group consisting of alkyl, aryl, aralkyl, boryl and silyl groups; X is selected from the group consisting of alkyl, aryl, alkoxy, aryloxy, halide, dialkylamino, and siloxy groups; n satisfies the valence of M; and one or more of the remaining ring

atoms are optionally independently substituted by alkyl, aryl, aralkyl, alkylaryl, silyl, halogen, alkoxy, aryloxy, siloxy, nitro, dialkyl amino, or diaryl amino groups.

3. The catalyst system of claim 2 wherein L is selected from the group consisting of cyclopentadienyls, indenyls, fluorenyls, boraaryls, pyrrolyls, azaborolinyls, quinolinyls, indenoindolyls, phosphinimines, and alkylaminos.

4. The catalyst system of claim 2 wherein G is selected from the group consisting of dialkylsilyl, diarylsilyl, methylene, ethylene, isopropylidene, and diphenylmethylene.

5. The catalyst system of claim 2 wherein the bridged complex has the general structure of I or II and wherein M is a Group 4 transition metal, L is alkylamido, and G is dialkylsilyl.

6. The catalyst system of claim 5 wherein M is Ti or Zr, L is t-butylamino, G is dimethylsilyl, and X is halide or alkyl.

7. The catalyst system of claim 2 wherein the bridged complex has the general structure of III or IV and wherein M is a Group 4 transition metal, L is alkylamido, and G is dialkylsilyl.

8. The catalyst system of claim 7 wherein M is Ti or Zr, L is t-butylamino, G is dimethylsilyl, and X is halide or alkyl.

9. The catalyst system of claim 1 wherein the non-bridged complex of catalyst B has the general structure of



**15.** The catalyst system of claim **1** wherein the support in catalyst A and catalyst B is silica.

**16.** A process comprising polymerizing an  $\alpha$ -olefin in the presence of the catalyst system of claim **1**.

**17.** The process of claim **16** which produces a polyolefin having bi- or multi-modal molecular weight distribution.

**18.** The process of claim **16** wherein the  $\alpha$ -olefin is selected from the group consisting of ethylene, propylene, 1-butene, 1-pentene, 1-hexene, 1-octene, 4-methyl-1-pentene, and mixtures thereof.

**19.** A process comprising polymerizing an  $\alpha$ -olefin in the presence of a multi-catalyst system that comprises

(a) catalyst A, a supported bridged indenolindolyl transition metal complex; and

(b) catalyst B, a supported non-bridged indenolindolyl transition metal complex;

wherein A and B are separately supported, said process produces an polyolefin having bi- or multi-modal molecular weight distribution.